3417 PACKAGE 1 OF 2

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/684,160
Filing Date	10/10/2003
First Named Inventor	Christopher Petroff
Art Unit	2614
Examiner Name	TBD
Total Number of Pages in This Submission: 1,728	Attorney Docket Number: 3519.1

ENCLOSURES ***(check all that apply)***

- ☐ Fee Transmittal Form
  - ☐ Fee Attached
- ☐ Amendment / Reply
  - ☐ After Final
  - ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☒ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/ Incomplete Application
  - ☐ Response to Missing Parts under 37 CFR 1.52 or 1.53
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a Provisional Application
- ☐ Power of Attorney, Revocation Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Request for Refund
- ☐ CD, Number of CD(s) _____
- ☐ After Allowance Communication to Group
- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to Group **(Appeal Notice, Brief, Reply Brief)**
- ☐ Proprietary Information
- ☐ Status Letter
- ☒ Other Enclosure(s) *(please identify below)*:
  Form 1449 - 4 pages
  70 references 1,721 pages
  Return Postcard

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	William R. McCarthy, III Reg. No. 55,788
Signature	William R. McCarthy III
Date	May 6, 2004

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Gilda T. Carr		
Signature	Gilda T. Carr	Date	May 6, 2004

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OIPE JC10 MAY 10 2004 PATENT & TRADEMARK OFFICE

PATENT

Attorney Docket No. 3519.1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Christopher Petroff

Serial No: 10/684,160

Filing Date: 10/10/2003

Title: **System and method for high-throughput processing of biological probe arrays**

Examiner: TBD

Group Art Unit: 2614

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR § 1.56, § 1.97 and § 1.98, the documents listed on the accompanying U.S. Patent & Trademark Office's Modified Form-1449 are called to the attention of the Examiner for consideration in connection with the above-identified patent application. In accordance with 37 CFR 1.98, a copy of each cited reference is enclosed herewith.

Citation of these documents shall not be construed as (1) an admission that the documents are necessarily prior art with respect to the instant invention; (2) a representation that a search has been made, other than as described above; or (3) an admission that the information cited herein is, or is considered to be, material to patentability as defined in § 1.56(b).

Applicants believe that no fee is required for submission of this statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby

authorized to charge the required fees to Account No. 01-0431 in order to have this Information Disclosure Statement considered.

Dated: May 6, 2004

Respectfully submitted,

Customer No. 22886
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 4

Complete if Known	
Application Number	10/684,160
Filing Date	10/10/2003
First Named Inventor	Christopher Petroff
Art Unit	2614
Examiner Name	TBD
Attorney Docket Number	3519.1

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No.[1]	Document Number: Number - Kind Code[2] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US-4,665,034	05/12/1987	Chandler	
	2	US- 4,764,671	08/16/1988	Park	
	3	US- 4,829,010	05/5/1989	Chang	
	4	US- 4,859,419	08/22/1989	Marks et al	
	5	US- 4,889,611	12/26/1989	Blough, Jr.	
	6	US- 5,104,808	04/14/1992	Laska et al	
	7	US- 5,133,374	07/28/1992	Druding et al	
	8	US- 5,143,854	09/1/1992	Pirrung et al	
	9	US- 5,154,888	10/13/1992	Zander et al	
	10	US- 5,170,659	12/15/1992	Kemp	
	11	US- 5,184,634	02/9/1993	Kitajima	
	12	US- 5,229,297	07/20/1993	Schniplesky et al	
	13	US- 5,230,866	07/27/1993	Shartle et al	
	14	US- 5,258,781	11/2/1993	John	
	15	US- 5,279,721	01/18/1984	Schmid	
	16	US- 5,288,463	02/22/1994	Chemelli	
	17	US- 5,296,195	03/22/1994	Pang et al	
	18	US- 5,352,609	10/4/1994	Boquet	
	19	US- 5,384,261	01/24/1995	Winkler et al	
	20	US- 5,395,587	03/7/1995	Brigham-Burke et al	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document: Country Code[3] - Number[4] - Kind Code[5] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
✓	A1	WO 89/10977	11/16/89	Isis Innovation Ltd.		
✓	A2	WO 89/11548	11/30/89	Cetus Corp.		
✓	A3	WO 90/15070	12/13/90	Affymax Technologies		
✓	A4	WO 92/10092	06/25/92	Affymax Technologies		
✓	A5	WO 93/09668	5/27/93	Affymax Technology		
✓	A6	WO 95/33846	12/14/95	Affymax Technologies		
✓	A7	WO 02/30562 A1	4/18/02	Aviva Biosciences		

Examiner Signature		Date Considered	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 4

Complete if Known	
Application Number	10/684,160
Filing Date	10/10/2003
First Named Inventor	Christopher Petroff
Art Unit	2614
Examiner Name	TBD
Attorney Docket Number	3519.1

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No.[1]	Document Number Number - Kind Code[2] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	21	US-5,422,271	06/6/1995	Chen et al	
	22	US- 5,424,186	06/13/1995	Fodor et al	
	23	US- 5,486,335	01/23/1996	Wilding et al	
	24	US- 5,489,678	02/6/1996	Fodor et al	
	25	US- 5,500,187	03/19/1996	Deoms et al	
	26	US- 5,543,329	08/6/1996	Bedell	
	27	US- 5,578,832	11/26/1996	Trulson et al	
	28	US- 5,587,128	12/24/1996	Wilding et al	
	29	US- 5,593,838	01/14/1997	Zanzucchi et al	
	30	US- 5,593,839	01/14/1997	Hubbell et al	
	31	US- 5,595,908	01/21/1997	Fawcett et al	
	32	US- 5,599,504	02/04/1997	Hosoi et al	
	33	US- 5,627,041	05/6/1997	Shartle	
	34	US- 5,635,358	06/3/1997	Wilding et al	
	35	US- 5,637,469	06/10/1997	Wilding et al	
	36	US- 5,652,149	07/29/1997	Mileaf et al	
	37	US- 5,658,802	08/19/1997	Hayes et al	
	38	US- 5,674,743	10/7/1997	Ulmer	
	39	US- 5,675,700	10/7/1997	Atwood et al	
	40	US- 5,683,916	11/4/1977	Goffe et al	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3] - Number[4] - Kind Code[5] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

Examiner Signature		Date Considered	

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Sheet 3 of 4

Complete if Known	
Application Number	10/684,160
Filing Date	10/10/03
First Named Inventor	Christopher Petroff
Art Unit	2614
Examiner Name	TBD
Attorney Docket Number	3519.1

U.S. PATENT DOCUMENTS

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	41	US-5,698,450	12/16/1997	Ringrose et al	
	42	US- 5,716,825	02/10/1998	Hancock et al	
	43	US- 5,726,010	03/10/1998	Clark	
	44	US- 5,726,013	03/10/1998	Clark	
	45	US- 5,812,511	09/22/1998	Kawamura et al	
	46	US- 5,834,758	11/10/1998	Trulson et al	
	47	US- 5,869,004	02/9/1999	Parce et al	
	48	US- 5,945,334	08/31/1998	Besemer et al	
	49	US- 6,025,601	02/15/2000	Trulson et al	
	50	US- 6,050,278	04/18/2000	Arnal et al	
	51	US- 6,100,084	8/8/2000	Miles et al	
	52	US- 6,114,122	09/5/2000	Besemer et al	
	53	US- 6,170,494 B1	01/09/2001	Marinaro et al	
	54	US- 6,235,479 B1	5/22/2001	Rogers	
	55	US- 6,308,721 B1	10/30/2001	Bock et al	
	56	US- 6,391,623 B1	5/21/2002	Besemer et al	
	57	US- 6,422,249 B1	7/23/2002	Certa et al	
	58	US- 6,432,696 B2	8/13/2002	Custance et al	
	59	US- 2003/0059930 A1	3/27/2003	Gazeau	
	60	US- 2003/0162304 A1	8/28/2003	Dority et al	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3] - Number[4] - Kind Code[5] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

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Sheet 4 of 4

Complete if Known	
Application Number	10/684,160
Filing Date	10/10/2003
First Named Inventor	Christopher Petroff
Art Unit	2614
Examiner Name	TBD
Attorney Docket Number	3519.1

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
✓	B1	FODOR, ET AL, "Light-Directed, Spatially Addressable Parallel Chemical Synthesis," Science, Vol. 251: 767-773	
✓	B2	W. NYBORG, "Acoustic Streaming" Physical Acoustics, Principles and Methods Vol. II - Part B, Chapter 11, pp 265-331, Edited by W. Mason, Academic Press, (1965)	
✓	B3	SJOLANDER ET AL , Integrated Fluid Handling System for Biomolecular Interaction Analysis; Analytical Chemistry, Vol. 63 No. 20, pp. 2338-2345, 10/15/91	

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